



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 17] नई दिल्ली, शनिवार, अप्रैल 28, 1990, (वैशाख 8, 1912)  
No. 17] NEW DELHI, SATURDAY, APRIL 28, 1990 (VAISAKHA 8, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बंधित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

#### THE PATENT OFFICE

#### PATENTS AND DESIGNS

Calcutta, the 28th April 1990

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The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

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Patent Office Branch,  
Unit No. 401 to 405, 3rd Floor,  
Municipal Market Building,  
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New Delhi-110005.

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Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),  
"NIZAM PALACE", 2nd M.S.O. Building,  
5th, 6th and 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Calcutta-700020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

## पेटेंट कार्यालय

## एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 28 अप्रैल 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार  
पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा,  
टोली इस्टेट,  
तीसरा तल, लोअर परले (पश्चिम),  
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र  
एवं संघ शासित क्षेत्र गोवा, दमन तथा दिव एवं  
दावरा और नगर हवेली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,  
एक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश

राज्य क्षेत्रों एवं संघ शासित क्षेत्र  
चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,  
61, बालासाह रोड,  
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तामिलनाडु राज्य क्षेत्र  
एवं संघ शासित क्षेत्र पाण्डिचेरी,  
लक्षद्वीप, मिनीकाय तथा  
एमिनिदिवि द्वीप ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय भवन,  
5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स” ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में  
अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख  
पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए  
जायेंगे ।

## CORRIGENDUM

In the Gazette of India, Part-III, Section 2, dated the  
7th October, 1989, in respect of Patent No. 165386.

Read application No. 56/Cal/1986

Instead of 56/Cal/1985.

Calcutta, the 28th April, 1990

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crescent brackets are the dates  
claimed Under Section 135, of the Patents Act, 1970.

The 15th March, 1990

214/Cal/90. Franz Plasser Bahnbaumaschinen Industrie-  
gesellschaft m.b.H. Travelling track tamping,  
lifting and lining machine comprising tamping  
units designed to pivot.

215/Cal/90. Franz Plasser Bahnbaumaschinen Industrie-  
gesellschaft m.b.H. Track tamping, lifting and  
lining machine comprising laterally displaceable  
tamping units.

216/Cal/90. E.I. Du Pont De Nemours and Company.  
Polyacetal resins containing non-meltable poly-  
mer stabilizers or cellulose stabilizers.

217/Cal/90. Beloit Corporation. A coater apparatus.

The 16th March, 1990

218/Cal/90. General Electric Company. Axisymmetric  
vectoring exhaust nozzle;

219/Cal/90. E.I. Du Pont De Nemours and Company.  
On-line fiber heat treatment.

220/Cal/90. E.I. Du Pont De Nemours and Company.  
Sealed tensiometer.

221/Cal/90. BP Australia Limited. Road surface recycler  
(Convention date March 16, 1989; No. PJ  
3256; Australia).

222/Cal/90. Union Carbide India Limited. An improved  
cartridge for a torch light, and a torch light  
with such improved cartridge.

The 19th March, 1990

223/Cal/90. Theo Schrodgers. Fire-proof door.

224/Cal/90. Saarbergwerke Ag. Automatic lift monitor-  
ing during the stamping operation.

225/Cal/90. Indian Jute Industries' Research Association.  
A new chemical formulation.

226/Cal/90. Kalsman Pty. Ltd. Cycle tyre tool.  
(Convention date April 19, 1989; No. PJ 3792;  
Australia).

The 20th March, 1990

- 227/Cal/90. E.I. Du Pont De Nemours & Company. Azeotropic composition of 2, 2-dichloro-1, 1, 1-trifluoroethane and methanol.
- 228/Cal/90. Hoechst Aktiengesellschaft. Water-soluble fiber-reactive dyes, a process for their preparation and their use.
- 229/Cal/90. O & K Orenstein & Koppel Ag. A device for monitoring conveyor belts.
- 230/Cal/90. C F Braun Inc. Combined heat exchanger system such as for ammonia synthesis reactor effluent.

The 21st March, 1990

- 231/Cal/90. Philips Petroleum Company. Method and composition for altering subterranean formation.
- 232/Cal/90. Projects & Development India Limited. Stripper for removal of cured epoxy formulations and other coatings.
- 233/Cal/90. Krishnan Rajagopalan. Improved heat exchanger.
- 234/Cal/90. Mitutoyo Mfg. Co. Ltd. Optical type displacement detecting device.

[Divisional dated 7th August, 1987].

- 235/Cal/90. Mitutoyo Mfg. Co. Ltd. Optical type displacement detecting device.
- 236/Cal/90. Mitutoyo Mfg. Co. Ltd. Optical type displacement detecting device.

[Divisional dated 7th August, 1987].

The 22nd March, 1990

- 237/Cal/90. V. S. Rajan. Moisture analyser apparatus.
- 238/Cal/90. Unilever Plc. Food product.
- 239/Cal/90. Hans Oetiker. Method of fastening hose to nipple and hose connection obtained by such method.

APPLICATIONS FOR PATENTS FILED AT THE  
PATENT OFFICE BRANCH, MUNICIPAL MARKET  
BUILDING, 3RD FLOOR, KAROL BAGH,  
NEW DELHI-5

The 26th February, 1990

- 164/Del/90. Anil Kumar & Others. "Manufacture of porous solid-solid dispersions".
- 165/Del/90. TTC Laser Machines (P) Ltd. "An improved method and apparatus for measuring wheel alignment in vehicles".
- 166/Del/90. Steel Authority of India Ltd. "A gunning mass for repairing worn out sections of an open hearth furnace and a process for preparation thereof".
- 167/Del/90. Shanta International. "Improvements in or relating to flushing systems generally and flushing out-let valves specifically. Used in flushing cisterns for water closets".
- 168/Del/90. Council of Scientific & Industrial Research. "An improved process for the preparation of phenol dihydroxy benzenes 1, 4 benzoquinone by hydroxylation of benzene".
- 169/Del/90. Council of Scientific & Industrial Research. "Improved process for the preparation of dihydroxybenzene 1, 4 benzoquinone by the hydroxylation of phenol using hydrogen peroxide and titanium containing zeolites".

170/Del/90. Council of Scientific & Industrial Research. "An improved process for the preparation of dihydroxybenzenes and 1, 4 benzoquinone by the hydroxylation of phenol using titanium containing zeolite catalyst".

171/Del/90. Council of Scientific & Industrial Research. "An improved method for the preparation of phenol hydroxybenzene 1, 4 benzoquinone by hydroxylation of benzene using titanium containing synthetic zeolite catalyst".

172/Del/90. Council of Scientific & Industrial Research. "A process for the preparation of (1-6'-methoxy-4'-quinoliny)-3-(3'-vinyl-1'-(substituted aminoacetyl) 4'-piperidyl)-2-methylene propane 1-ones and their water soluble salts".

173/Del/90. Council of Scientific & Industrial Research. "A process for the preparation of 1-(6'-methoxy-4'-quinoliny)-3-(3'-vinyl-1'-(N, N-dialkyl or heterocyclic amino alkyl) 4'-piperidyl) 2-methylene-propane-1-ones and their water soluble salts".

174/Del/90. Council of Scientific & Industrial Research. "An improved process for the carbonylation of nitro compounds using novel ruthenium complex catalysts".

[Divisional date 26-2-90].

175/Del/90. Harrier GmbH Gesellschaft Fur Den Vertrieb Medizinischer Und Technischer Gerate. Physiologic solution with increased oxygen content and a method for preparing the same".

176/Del/90. Gencorp Inc. "Automotive powertrain mount".

177/Del/90. Gencorp Inc. "Resilient rolling torus for a load-cushioning device".

The 27th February, 1990

178/Del/90. Thumswamy Joseph David. "Power transmission attachment in light and heavy vehicle for operating devices".

179/Del/90. Thumswamy Joseph David. "Animal/wind power, transmission system to operate village industrial utility".

180/Del/90. The Goodyear Tire & Rubber Co. "A tire having at least one reinforced ply of elastomer".

[Divisional date 25th February, 1987].

181/Del/90. Kabushiki Kaisha Toshiba. "Contact forming material for a vacuum interrupter".

182/Del/90. Physical Sciences, Inc & The General Hospital Corporation "Acoustic impact delivery catheter with end cap".

183/Del/90. Atlas Powder Co. "Emulsion explosive composition containing expanded perlite".

184/Del/90. Kennametal Inc. "Multilayer coated cemented carbide cutting insert".

The 28th February, 1990

185/Del/90. U C. Industries, Inc. "Process for preparing extruded foam bodies".

186/Del/90. BWE Ltd. "Cold pressure welding method and machine".

(Convention date 3rd March, 1989) (U.K.).

187/Del/90. Rohm and Haas Co., "Epoxy encapsulant compositions and low stress additive systems".

188/Del/90. The Lubrizol Corporation, "Graft copolymers and lubricants containing such as dispersant-viscosity improvers".

The 1st March, 1990

189/Del/90. Mitsui Toatsu Chemicals, Inc., "Processes for preparing high hard transparent resin and novel polymerizable monomer".

190/Del/90. Mitsui Toatsu Chemicals, Inc., "Processes for preparing high hard transparent resin and novel polymerizable monomer".

The 2nd March, 1990

191/Del/90. U.C. Industries, Inc., "Method of preparing styrene foams".

192/Del/90 Harjan Singh, "Double life full flow oil filter".

193/Del/90. CHU Associates, Inc., "Omnidirectional communications mast-mounted monopole antenna".

194/Del/90. UOP, "Caustic free sweetening of sour hydrocarbon streams".

195/Del/90. Borden (UK) Ltd., "Phenolic resin compositions".

(Convention date 13th March, 1989 & 16th May, 1989) (U.K.).

196/Del/90. The Johnson Corporation, "Air-controlled rotary joint compensator".

197/Del/90. Jets Systemer A/S, "Vacuum drainage system".

198/Del/90. The Babcock & Wilcox Co., "A detecting and analysing assembly for measuring the free oxygen content of a combustible or hazardous atmosphere".

[Divisional date 6th March, 1987].

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110005

The 5th March 1990

199/Del/90. Yellapragada Sambasiva Rao, "An improved construction of a tyre".

200/Del/90. Albright & Wilson Ltd., "Biocidal compositions treatments". (Convention date 3rd March, 1989) (U.K.).

201/Del/90. N. V. Bekaert S. A., "Compact bead structure".

202/Del/90. Gencorp Inc., "Door glass cassette for vehicles".

203/Del/90. Gencorp Inc., "Slipper bushing assembly".

204/Del/90. Dean Robert Butler, "Noble metal recovery". (Convention date 7th March, 89 & 22nd June, 1989) (Australia).

205/Del/90. Union Carbide Corporation, "A process for the enhanced separation of gases". [Divisional date 29th April, 87].

The 6th March 1990

206/Del/90. Richardson-Vicks, Inc., "Process for preparing oral anesthetic composition".

The 6th March 1990

207/Del/90. Miss Pushpa Khanna (Retd.), "Isolation of hypoglycaemic sublingually effective polypeptide-P from a plant source".

208/Del/90. Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.), "Sdk peptides, a preparation process of the same and therapeutic compositions containing them". (Convention date 11th March, 89) (U.K.).

209/Del/90. Mars Actel, "A surge-protector module for a line, in particular for a telephone connection block".

210/Del/90. Colgate-Palmolive Co., "Flexible pouch contoured to facilitate pouring".

211/Del/90. Colgate-Palmolive Co., Flexible pouch with reinforcement to facilitate pouring".

212/Del/90. Shell Internationale Research Maatschappij B. V., "Process for the production of aluminium hydroxide from bauxite". (Convention date 21st March, 1989) (U.K.).

213/Del/90. Mahesh Chand Gupta, "A new method for the wrapping of thin plastic films over conductors by the present covering machines".

214/Del/90. Mahesh Chand Gupta, "Process for manufacturing a miniaturized winding wire for submersible pump motors".

215/Del/90. Captain, Gursaran Singh, "A new jet propulsion engine for air-craft".

216/Del/90. Gurcharan Singh Gill, "Precast prestressed concrete ready roofing module manually liftable".

217/Del/90. Captain, Gursaran Singh (Retd.), "A new jet propulsion system".

The 7th March 1990

218/Del/90. Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.), "Preparation process of new thino-triazole-diazepine".

219/Del/90. Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.), "Sulfonyl derivatives of thieno-triazolo-diazepines, a preparation process of the same and therapeutic compositions containing them". (Convention date 31st March, 1989) (U.K.).

The 7th March 1990

220/Del/90. Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.), "Derivatives of thienotriazolo-diazepines, a preparation process of the same and therapeutic compositions containing them". (Convention date 31st March, 1989) (U.K.).

221/Del/90. Lenox Institute for Research Inc., "Apparatus and method for stabilizing sludge".

The 8th March 1990

222/Del/90. Council of Scientific & Industrial Research, "A process for the preparation of new reactive anionic initiators useful for polymerization of vinyl monomers".

223/Del/90. Council of Scientific & Industrial Research, "An improved process for the preparation of nitrile group containing polymers".

224/Del/90. Council of Scientific & Industrial Research, "A process for the production of electrolytic manganese dioxide activated manganese dioxide and chemical manganese dioxide from natural manganese ores".

225/Del/90. The B. F. Goodrich Co., "Improved process for removing residual vinyl chloride monomer". [Divisional date 23rd March, 1987].

226/Del/90. Imperial Chemical Industries Plc., "Connection device for blasting signal transmission tubing".

## The 9th March 1990

- 227/Del/90. Il Shin Industrial Co. Ltd., "An apparatus for sorting talc from a mixture of talc and rock particles".
- 228/Del/90. The Procter & Gamble Co., "Disposable absorbent article having elastically extensible topsheet".
- 229/Del/90. Wilhelm Pichler, "An improved sleep mask".
- 230/Del/90. Dr. Vidyarthi Nanduri, "A cable jointing assembly".
- 231/Del/90. Norsk Hydro A. S., "A flexible container with improved bottom and top".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, THIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

## The 16th February 1990

- 36/Bom/90. Sharatchandra Dattatraya Tase. Coriolis force apparatus.
- 37/Bom/90. R. P. Patel. Solid Turbine.

## The 19th February 1990

- 38/Bom/90. Hindustan Lever Limited. Shampoo Composition. 20th Feb. 1989 Gr. Britain.
- 39/Bom/90. Dr. R. S. Karmarkar. Brick making light weight mechanism for stabilised bricks from lateritic soil and mine rejects.
- 40/Bom/90. Ion Exchange (India) Ltd. An improved slow and constant release compacted bodies capable of releasing halogen.
- 41/Bom/90. Shamrao Parhate. Vehicle wobbling controller.

## The 20th February 1990

- 42/Bom/90. S. B. Patwardhan. Special purpose lathe.
- 43/Bom/90. Honeywell-Elac-Nautik GmbH. Gas detector.

## The 21st February 1990

- 44/Bom/90. Gujarat Narmada Valley Fertilizers Company Ltd. A process for the manufacture of phosphogypsum coated urea.
- 45/Bom/90. Hemant Madhukar Ranadive. Energy footwear.

## The 22nd February 1990

- 46/Bom/90. Jagadish P. Kanoddia & Others. Multipurpose rotatable casserole.

## The 26th February 1990

- 47/Bom/90. Hindustan Lever Limited. Emulsion.

## The 28th February 1990

- 48/Bom/90. Hemant Krishnaraj Morparia. A modified ruler for measuring the transverse cardiac diameter.
- 49/Bom/90. Maremont Corporation. Remote controlled vehicle damper.

## The 2nd March 1990

- 50/Bom/90. Hindustan Lever Limited. Detergent bar. 3rd March 89, Gr. Britain.
- 51/Bom/90. Hindustan Lever Limited. Detergent composition. 3rd March, 89. Gr. Britain.

## The 5th March 1990

- 52/Bom/90. Jain Irrigation Systems Ltd. Micro irrigation systems.

## The 6th March 1990

- 53/Bom/90. NKK Corporation. Method for continuous casting of steel.
- 54/Bom/90. Tulsibhai K. Mordia. An improved grooved bricks.

## The 9th March 1990

- 55/Bom/90. Hindustan Lever Limited. Detergent composition. 10th March 89, Gr. Britain.

## OPPOSITION PROCEEDINGS

The application for Patent No. 161934 made by Henry Boot Railway Engineering Limited in respect of which an opposition was entered by Metropolitan Track Engineering Works as notified in the Gazette of India, Part III, Section 2 dated 01st October, 1988 has been treated as abandoned.

The opposition for Patent No. 161934 made by Henry Boot Railway Engineering Limited in respect of which opposition was entered by Consultant Combine Private Limited as notified in the Gazette of India, Part III, Section 2 dated 01st October, 1988 has been treated as abandoned.

## PATENT SEALED

148433	162010	164868	164880	164901	164902	164903
164912	164933	164940	164943	164944	164945	164946
164949	164950	164976	164977	164978	164987	164991
164992	165011	165033	165058	165060	165118	165119
165132	165180	165207	165219	165220		

CAL = 19.

DEL. = 7.

MAS. = 4.

BOM. = 3.

## AMENDMENTS PROCEEDINGS UNDER SECTION 57

Notice is hereby given that the Establishment Gersan of Staedtle 36, 9490 Vaduz, Liechtenstein, a Liechtenstein Company, have made an Application under Section 57 of the Patents Act, 1970 for amendment of the specification of their application for Patent No. 166013 for "Feeder for feeding discrete objects". The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment, may file a notice of Opposition on prescribed Form-30 within 3 months for the date of the Notification at the Patent Office, Madras. If the written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

## AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendment proposed by Huffy Corporation in respect of application for Patent No. 161121 as advertised in part III Section 2 of the Gazette of India dated the 3rd June, 1989 have been allowed.

## RENEWAL FEES PAID

145837	146044	146210	146393	146604	146675	147017
147283	147309	147370	147458	147590	147621	147681
147840	148072	148296	148678	148679	149100	149191
149813	149821	149832	150042	150256	150283	150449
150454	150633	150929	151328	151622	151668	151719
151835	152241	152478	152482	152483	152626	152914
152928	152947	153115	153251	153477	153504	153814
154113	154154	154601	154606	154658	154717	154769
155146	155147	155151	155154	155155	155156	155175

155182	155208	155249	155412	155766	155796	155887
155894	155924	155982	155983	156151	156173	156174
156179	156225	156439	156582	156624	156752	156773
156774	156918	156942	157131	157145	157204	157275
157331	157371	157394	157492	157493	157501	157626
157676	157823	157829	158194	158296	158479	158509
158538	158540	158619	158638	158640	158695	158801
158831	158832	158836	158852	158995	159237	159287
159394	159512	159547	159600	159603	159642	159792
159793	159904	159905	159906	160076	160097	160134
160188	160309	160412	160431	160497	161513	161584
161591	161694	161862	162031	162141	162168	162179
162211	162347	162376	162428	162558	162700	162825
162879	163018	163035	163036	163053	163244	163444
163500	163523	163565	163685	163686	163790	163928
163962	163974	164027	164062	164064	164232	164236
164247	164268	164270	164271	164309	164314	164353
164370	164382	164397	164401	164465	164500	164553
164557	164622	164639	164677	164683	164711	164790
164794	164820	164831	164838	164867	164864	164871
164872	164914	164916	16491	164948	165012	165017
165019	165057					

## RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160260 granted to Edward Martinez for an invention relating to "an apparatus for separating magnetic or weakly magnetic particles from a feed material including non magnetic material".

The patent ceased on the 21st March 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th March 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th June 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 159057 granted to Institut Metallurgii Imeni for an invention relating to "process for producing high-purity metallic arsenic".

The patent ceased on the 8th July 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th March 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th June 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 159059 granted to Institut Metallurgii Imeni for an invention relating to "Process for producing metallic arsenic".

The patent ceased on the 7th July 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th March 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th June 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158814 granted to DLF Universal Limited for an invention relating to "Clutch motor assembly for use with industrial sewing machines".

The patent ceased on the 16th March 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th March 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th June 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th March 1990.

The patent ceased on the 5th October 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th March 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 28th June 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of

opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

#### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकत्र को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अन्तर्गत हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्या में मूद्रित प्रतियां, भारत सरकार बूक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मूद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार (उक्त कार्यालय से पत्र व्यवहार द्वारा सूनिश्चित करने के उपायों उसकी उदायगी पर की जा सकती है। विनिर्देश के पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों की जोड़कर उसे 4 से गणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CLASS : 70-C<sub>0</sub>

166381

Int. Cl. : C 25 f 1/06.

PROCESS AND APPARATUS FOR RAPID AND CONTINUOUS ELECTROLYTIC DESCALING OF STAINLESS STEEL WIRE RODS.

Applicant : MUKAND IRON & STEEL WORKS LIMITED, LAL BAHADUR SHASTRI MARG, KURLA, BOMBAY-400070, MAHARASHTRA, INDIA.

Inventors : (1) RAJESH V. SHAH, (2) DR. R. H. G. RAU, (3) DR. N. D. TAMBAT.

Application No. 611/Cal/1986 filed August 11, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims

A process for rapid and continuous electrolytic descaling and adherent scale formed on stainless steel wire rods produced through hot rolling, the process comprising the steps of:

- (i) passing the stainless steel wire through an electrolytic bath under the influence of electric current passing through the electrolyte, whereby the contaminated scale is loosened, said electrolyte having the following composition (V/V)

Hydrochloric acid	25-25% V/V
Hydrofluoric acid	2-5% V/V
Iron complex	2-5% V/V
Inhibitor	1.0-0.8% V/V

- (ii) removing the loosened scale by a mechanical brushing system; and

- (iii) cleaning the descaled surface to provide a clean, smooth and bright descaled wire rods.

Compl. specn. 16 pages

Drg. 3 sheets

CLASS :

166382

Int. Cl. : G 01 s 1/18.

PULSE RADAR APPARATUS.

Applicant : HOLLANDSE SIGNAALAPPARATEN B.V., ZUIDELIJKE HAVENWEG 40, 7550-GD HENGEL, THE NETHERLANDS.

Inventor : GELLEKINK, BERNARD.

Application No. 613/Cal/1986 filed August 11, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 6 Claims

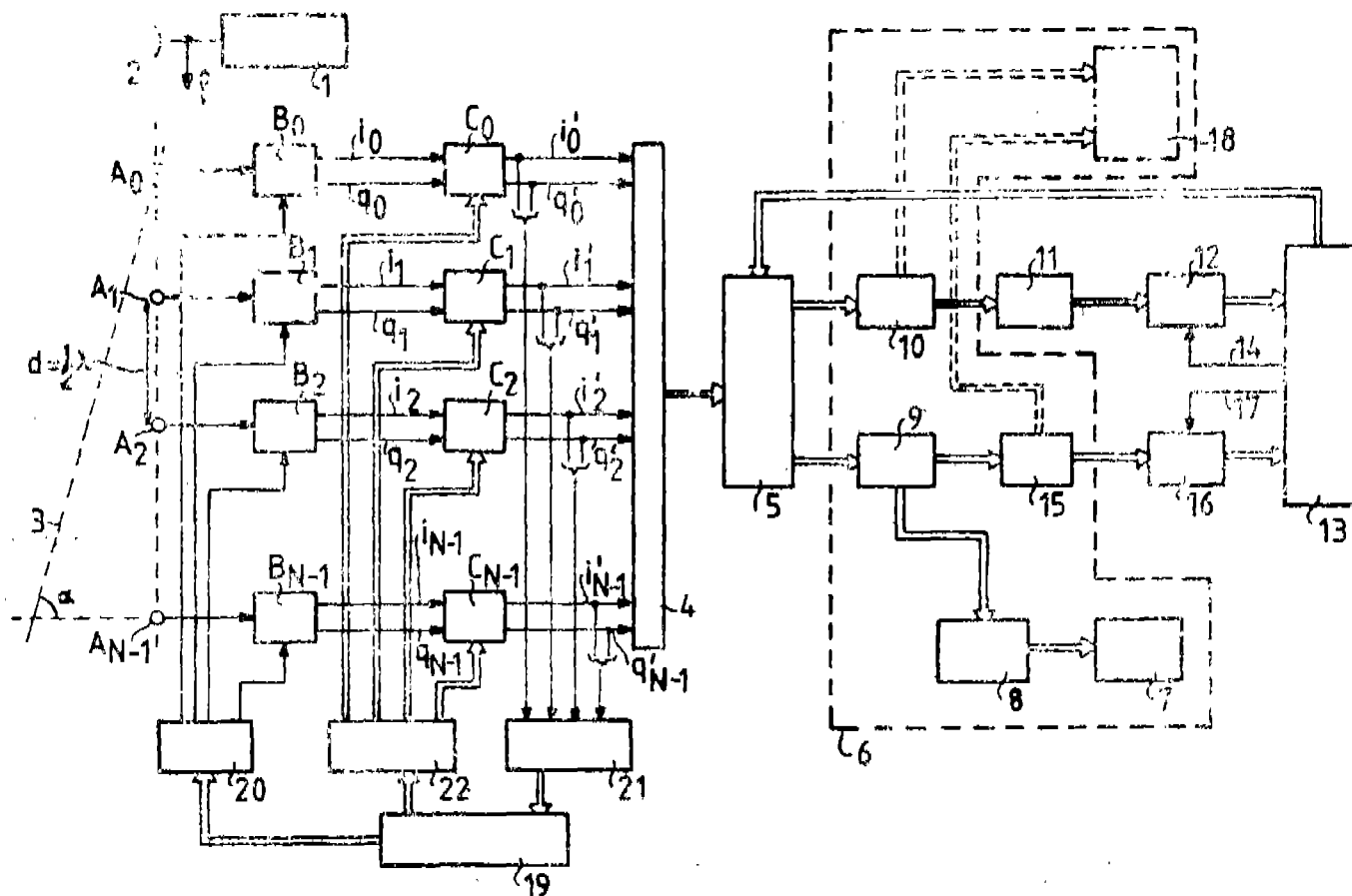
A pulse radar apparatus provided with a coherent transmitting and receiving unit including a transmitter (1) and a transmitting antenna (2) for the transmission of radar pulses, a vertical array of N receiving antennas (A<sub>0</sub>, A<sub>1</sub>... A<sub>N-1</sub>) and receivers (B<sub>0</sub>, B<sub>1</sub>, ... B<sub>N-1</sub>) connected thereof in each of the receivers into two orthogonally phase-detected and digitised video signal components i<sub>r</sub> and q<sub>r</sub>, where r=0, 1, 2, ..., N-1, a DFT beamformer (4) with N output channels (k) related to different receiving beam patterns (k) covering specific elevation intervals, where k=0, ..., N-1, each output channel (k) being adapted to derive from said components (i<sub>r</sub> and q<sub>r</sub>) the orthogonal components

(IK and QK) of a moving-target video signal  $P_k$  originating from the respective receiving beam pattern (k) after multiplication of each pair of components (i and q) by a suitable weighting factor  $W_r$  in a transformation circuit ( $C_0, C_1, C_{N-1}$ ) incorporated between the respective receiver and the beamformer; buffer and switching means (5) connected to the beamformer (4) for passing separately the orthogonal components (IK and QK) of each output channel (k) of the beamformer (4); and computing means (6); characterized in that (a) the buffer and switching means (5) are adapted to select two adjoining output channels (m and m+1) of the beamformer having orthogonal components ( $I_m, Q_m$  and  $I_{m+1}, Q_{m+1}$ ) of moving target video signals  $P_m$  and  $P_{m+1}$  with the maximum available amplitudes, and (b) the computing means (6) comprises a pseudo-monopulse computing unit (7) connected through a DFT Unit 9 for determining from the selected components of  $P_m, P_{m+1}$  the deviation in

elevation  $c \Delta\alpha$  with respect to the elevation value ( $\Delta\alpha$ ) being the bisecting angle between the main beam direction  $\alpha_m$  and  $\alpha_{m+1}$  of the receiving beam patterns  $m$  and  $m+1$ , by using the relationship

$$\frac{1}{\Delta\alpha} = C \cdot \operatorname{Re} \left\{ \frac{P_m - P_{m+1}}{P_m + P_{m+1}} \right\}$$

Where C is a constant, and computing means additionally comprise a log modules unit (10) for higher beam receiving patterns and a log modules unit (15) for lower beam receiving pattern and also connected to buffer and switching means (5), and a circuit made of summation circuit (11) threshold circuit (12/16) of video processing unit (13), for determining the deviation in elevation ( $\Delta\alpha$ ) from the  $\log/P_m$  and  $\log/P_{m+1}$  values supplied by the log modules unit,



Compl. specn. 33 sheets

Drg. 6 sheets

CLASS : 195-A

166383

Int. Cl. : E 03 d 1/33; F 16 k 15/00, 33/00.

AN IMPROVED BALL-COCK FOR WATER TANKS AND CISTERNS.

Applicant : SURENDRA SINGH RANDHIR CHAUHAN  
OF 12/1, RITCHI ROAD, CALCUTTA-700019, WEST  
BENGAL, INDIA.

Inventors: SURENDRA SINGH RANDHIR CHAUHAN.

Application No. 633/Cal/86 filed August 19, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

An improved ball cock for water tanks and cisterns comprising :

a ball (float) attached to a cock by means of an arm characterised in that the cock consists of a

housing and a stopper, the housing having a liquid inlet and outlet hole made on same axis and across a bigger sized recessed hole in the said housing for accommodating the stopper;

the stopper is a cylindrical body housed inside the bigger recess of the housing and is rotatable therein around its longitudinal axis, the stopper being provided with an across hole in alignment with the said inlet outlet holes of the housing and the stopper being further attached perpendicularly to the end of the float arm to be rotated by the up and down movement of the float, and while in rotation the across hole of the stopper becoming out of the alignment with the hole of the said housing thereby stopping the flow of liquid or when in alignment allowing flow of liquid.

Compl. specn. 7 pages.

Drg. 2 sheets

CLASS : 32-A<sub>1</sub>

166384

Int. Cl. : C 09 b 45/26.

#### PROCESS FOR THE PREPARATION OF COPPER COMPLEX DISAZO COMPOUNDS.

Applicant : HOECHST CELANESE CORPORATION, OF ROUTE 202-206 NORTH, SOMERVILLE, NEW JERSEY 08876, U.S.A.

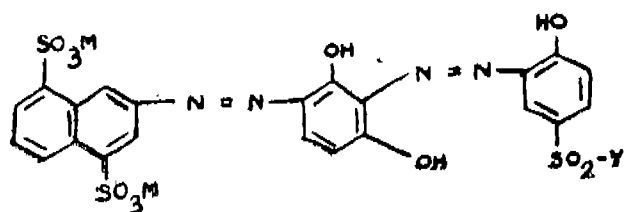
Inventors : 1. ANTHONY JOSEPH CORSO, 2. FRITZ MEININGER, 3. HANS HELMUT STEUERNAGEL.

Application No. 636/Cal/86 filed August 21, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

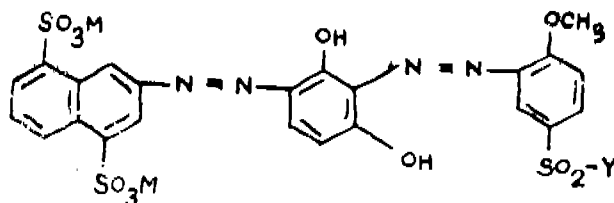
#### 6 Claims

A process for the preparation of a 1 : 1 copper complex of a disazo compound corresponding to the general formula (1) of the accompanying drawings wherein:



M is hydrogen atom or an alkali metal, such as sodium, potassium or lithium preferably sodium or lithium and

Y is the vinyl group or  $-\text{CH}_2\text{CH}_2\text{Z}$  wherein Z is a radical that can be eliminated by an alkaline agent which comprises reacting a disazo compound of the general formula (2)



in which M and Y are as above defined, with at least an equivalent amount of a copper donor such as herein-  
2-37GI/90

before described at a temperature from 70° to 130°C and at a pH from 3 to 6.

Compl. specn. 21 pages

Drg. 2 sheets

CLASS : 32-E

166385

Int. Cl. : C 08 k 5/16; C 08 j 7/06.

#### A METHOD FOR STABILIZING THERMOPLASTIC POLYMER OR ARTICLES THEREOF AGAINST ENVIRONMENTAL CHEMICALS.

Applicant : AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, U.S.A.

Inventor : ROBERT J TUCKER.

Application No. 638/Cal/1986 filed August 22, 1986.

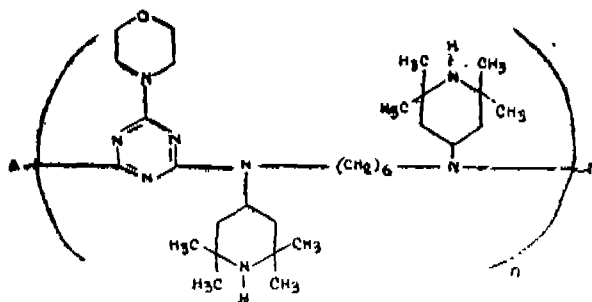
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims

A method for stabilizing a thermoplastic polymer or article thereof as herein described which is subject to exposure to environmental chemicals as herein described, said method comprising :

treating said polymer or articles as herein described with an environmental chemical resistant stabilizer composition in the dry form or as a liquid in a solvent comprising :

(a) a hindered amine light stabilizer comprising an oligomer of the formula (XIII) of the accompanying drawings:



wherein A represents a halogen  $\text{C}_1\text{-C}_8$  alkylamino, di( $\text{C}_1\text{-C}_8$ ) alkylamino, pyrrolidyl or a morpholino group and n is an integer greater than 1; and

(b) an ultraviolet absorber, wherein the weight ratio of (a) to (b) in said stabilizer composition is from 1 : 5 to 5 : 1 respectively.

Compl. specn. 26 pages

Drg. 2 sheets

CLASS : 172-C<sub>9</sub>

166386

Int. Cl. : D 01 g 15/00.

#### A DEVICE FOR THE TRANSPORTATION OF AT LEAST ONE CAN BETWEEN A SLIVER SUPPLYING AND A SLIVER LOADING SPINNING MACHINE.

Applicant : TRUTZCHLER GMBH & CO. KG., OF DUVENSTR 82-92, D-4050 MONCHENGLADBACH 3, WEST GERMANY.

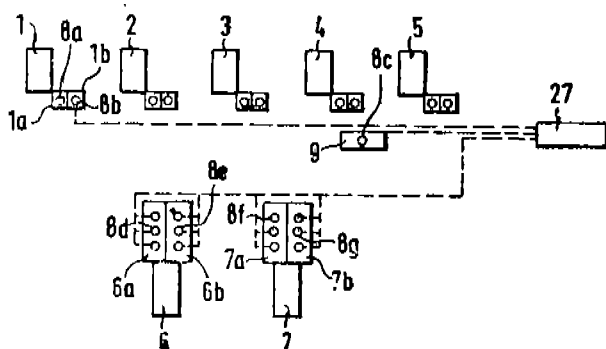
Inventors : (1) MANFRED LANGEN, (2) KONRAD TEMBERG, (3) PAUL TEICHMANN.

Application No. 642/Cal/86 filed August 25, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 22 Claims

An apparatus for transporting at least one can between a sliver furnishing fiber processing machine and a sliver fed fiber processing machine, comprising a transporting carriage having a base frame and a device containing a drive for the cylinder mounted on said carriage for loading and unloading the at least one can by a loading and unloading device comprising a loop having a pneumatic piston conveying element, a pressure cylinder and adjustable blocks for moving the at least one can with respect to said transporting carriage.



Compl. specn. 14 pages

Drg. 8 sheets

Int. CLASS : H 041 19/00

166387

CIRCUIT ARRANGEMENT FOR THE TRANSMISSION OF DATA SIGNALS BETWEEN CONTROL DEVICES CONNECTED TO ONE ANOTHER VIA A LOOP SYSTEM.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors : (1) KARL-HEINZ MICHELS-KROHN, (2) ANGELA UNTERGRUBER.

Application No. 645/Cal/1986 filed August 26, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 3 Claims

A system for transmitting data between a plurality of control devices in said system connected to each other by at least one clock-controlled loop operated directionally dependant said system comprising :

means in each control device for transmitting successive transmit authorization signals via said loop from control device to control device and means for placing a control device which receives the transmit authorization signal in a transmit authorization status;

means in each control device for emitting data signals to be transmitted via said loop to a selected other control device upon receipt of said transmit authorization signal and before forwarding said transmit authorization signal to another control device, said data signals being transmitted together with a receiver address identifying said selected other control device intended to receive said data signals;

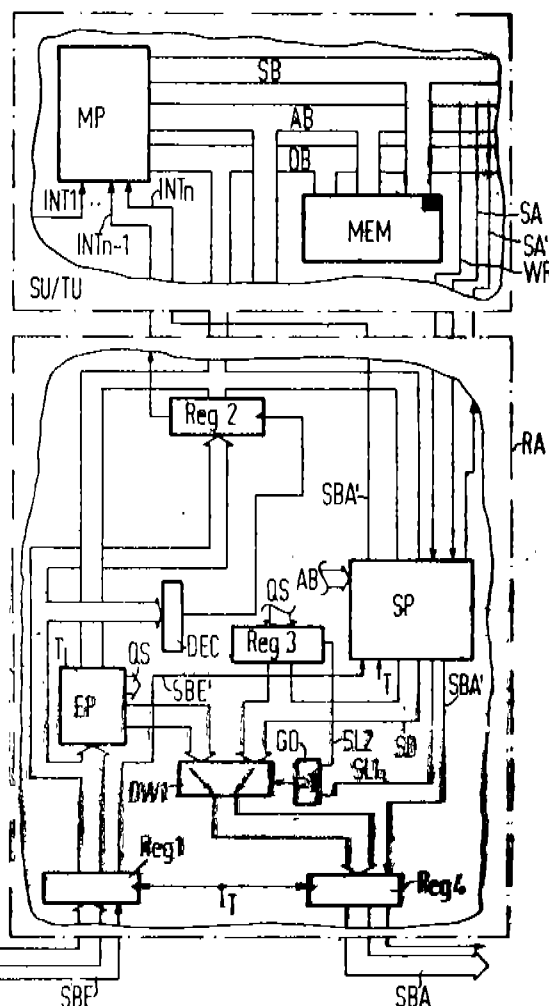
means in each control device for switching a control device which has transmitted said data signals for an intended control device to an acknowledgement signal reception status;

means in each control device for sending an acknowledgement signal via said loop upon receipt of data signals from another control device to the control device which sent the data signals;

means for maintaining a control device which has transmitted said data signals in said acknowledgement signal reception status for a time no longer by the arrival of a successive transmit authorization signal at said control device which has transmitted said data signals;

means in each control device for switching a control device which has transmitted said data signals to a status enabling renewed emission of further data signals if said acknowledgement signal is received within said time; and

means in each control device for switching a control device which has transmitted data signals to an error status if no acknowledgement signal is received within said time.



Compl. specn. 27 pages

Drg. 5 sheets

CLASS : 206-E

166388

Int. Cl. : H 041 19/00.

A DATA TRANSMISSION SYSTEM.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors : (1) GUNTHER KERSCHNER, (2) KARL-HEINZ MICHELS-KROHN, (3) JOSEF UNTERGRUBER, (4) ANGELA UNTERGRUBER.

Application No. 649/Cal/1986 filed August 26, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 6 Claims

A data transmission system having a plurality of control devices connected by at least one clock-controlled transmission loop operated directionally dependent, each control device including :

means for generating data signals for transmission to a group of other control devices from control device to control device;

means for generating a first entry preceding said data signals having a receiver address identifying all control devices in said group and a block start identifier;

means for generating a last entry following said data signal identifying the control device emitting said data signals and having a block end identifier;

means for emitting said first entry, said data signals, and said last entry as a signal block to said loop

for transmission around said loop to all other control devices;

means, upon receipt of a signal block, for re-emitting said signal block unmodified to said loop if the receiving control device is not a control device in said group;

means, upon receipt of said signal block, if the receiving control device is a control device in said group, for copying said signal block for possible processing, means for cancelling the block end identifier in the last entry of the received signal block, means for adding a new last entry having an address identifying the receiving control device, and acknowledgement of receipt of said signal, and a new block and identifier corresponding to the cancelled block end identifier, and means for re-emitting said signal block to said loop with the new last entry; and

means after said signal block has been transmitted around said loop with new last entries successively added thereto for copying said signal block to interpret said signal block with regard to the new last entries;

means for cancelling said block start identifier after copying of said signal block; and

means for examining said block signal upon receipt thereof enabling reception of said signal block by a control device only if said block start identifier is present in said signal block.

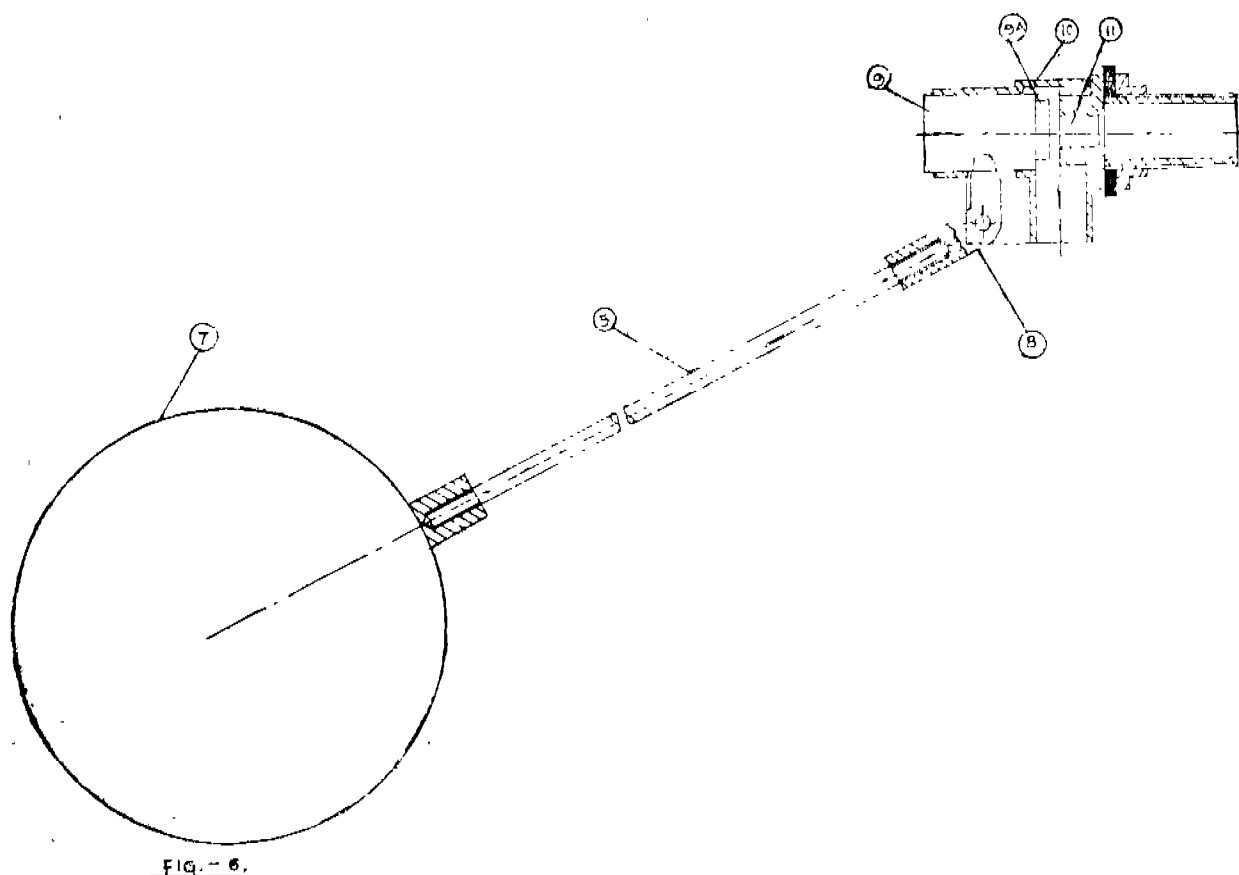
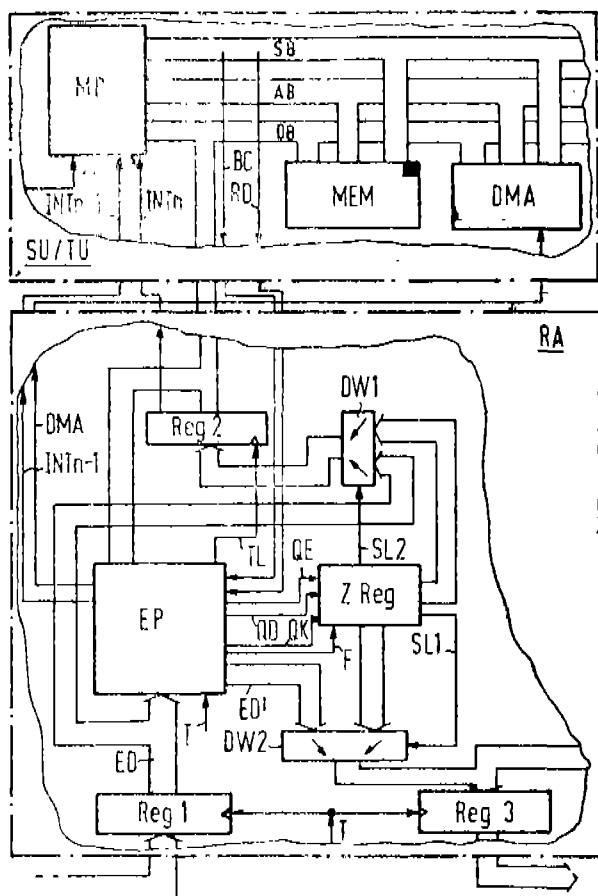


Fig. 2



Compl. specn. 29 pages

Drg. 5 sheets

the second and third of said heat exchangers being refrigerant-to-air exchangers of said system;

such that, in use, said air impeller means causes an air flow through said supply air flow path of the first heat exchanger, then through the second heat exchanger and through a space to be air conditioned, from which some at least of return air flows through said return air flow path, through said third heat exchanger, and exhausts to atmosphere.

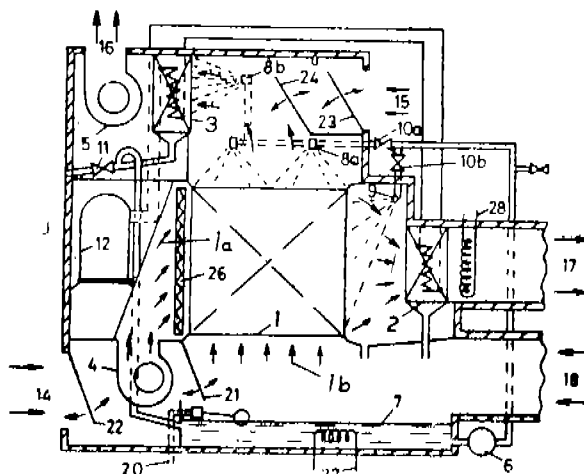


Fig. 1

Compl. specn. 33 pages

Drg. 4 sheets

Int. CLASS : H 01 h 71/00

166390

## CIRCUIT INTERRUPTER DEVICES.

Applicant : COOPER INDUSTRIES, INC., FIRST CITY TOWER, SUITE 4000, HOUSTON, TEXAS 77210 (U.S.A.).

Inventors : (1) LAWRENCE W. LAZAR, (2) RONALD A. WAINIO.

Application No. 665/Cal/1986 filed September 02, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 15 Claims

A circuit interrupter device including movable circuit contact means for interrupting current flow between said movable contact means and further contacts means, a frame, operating mechanism on said frame for moving said movable contact means between a closed position and an open position, said operating mechanism including a latch for latching said movable contact means in a closed position, means for moving said operating mechanism to effect movement of said movable contact means to a contact open position upon tripping of said latch, and motor means operably connected to said operating mechanism for moving said movable contact means to a closed position, a control actuator for effecting tripping of said latch to move said movable contact means to an open position, said control actuator comprising :

an actuator member disposed in a first position and responsible to a control signal to move to a second position;

control linkage responsive to movement of said actuator member from said first position to said second position to effect tripping of said latch; and

means for resetting said actuator member from said second position to said first position upon movement of said movable contact toward said open position; and

CLASS :

166389

Int. Cl. : F 24 f 3/00.

## AN APPARATUS FOR AIR CONDITIONING.

Applicant DRICON AIR PTY LIMITED, OF 23 COMMERCIAL ROAD, MARLESTON, STATE OF SOUTH AUSTRALIA, COMMONWEALTH OF AUSTRALIA.

Inventors : JOHN LESLIE GRAHAM MCNAB.

Application No. 656/Cal/1986 filed August 29th, 1986.

Convention date August 30, 1985; No. PH 2220, Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

An apparatus for air conditioning comprising a heat pump and two heat exchangers in a closed refrigeration system, and an air-to-air heat exchanger;

said heat exchangers being connected in series with respect to air flow, and air impeller means to impart said air flow;

the first of said heat exchangers being said air-to-air heat exchanger having a supply air flow path and a return air flow path;

said means for resetting includes reset linkage inter-connected between said actuator member and said operating mechanism and response to movement of

said operating mechanism to reset said actuator member to said first position.

Fig. 2

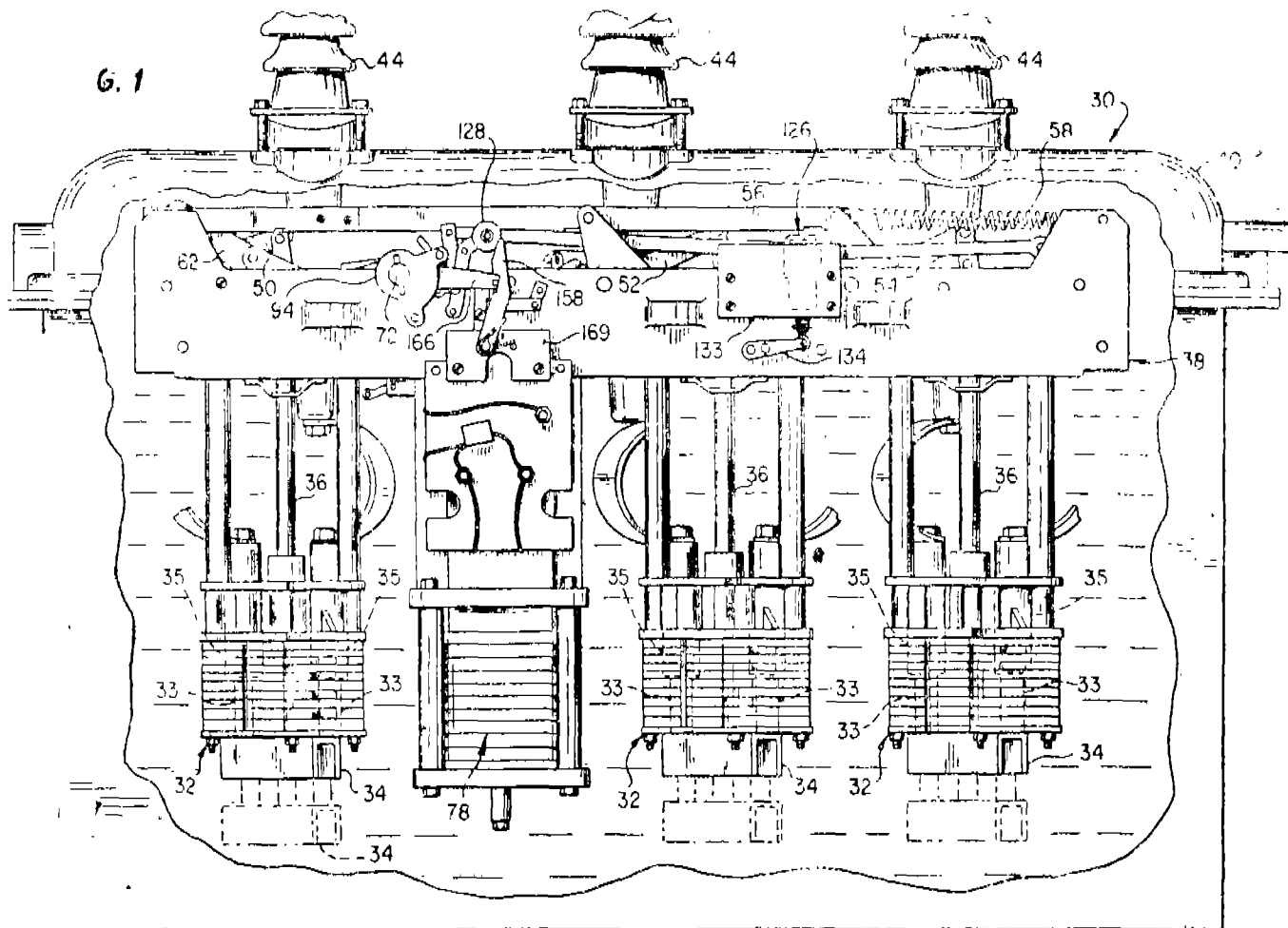


Fig. 1

Compl. specn. 35 pages

Drg. 11 sheets

Int. Cl.<sup>4</sup> : A61, K 7/16

166391

### A DENTIFRICE COMPOSITION

Applicant : BEECHAM INC., A U.S. COMPANY OF  
3 GARRET MOUNTAIN PLAZA, WEST PATERSON,  
NEW JERSEY 07424, U.S.A.

Inventors : (1) ROGER EDWIN STIER, (2) JAMES  
DAVID VIDRA, (3) BERNARD MISEK.

Application no. 779/Mas/85 filed October 4, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 4 Claims.

A dentifrice composition comprising 10% to 50% by weight of a known humectant, 10% to 40% by weight of deionized water, 20% to 40% by weight of an abrasive such as herein described, 0.5% to 2.0% by weight of a known binder, 0.1% to 0.3% by weight of a known sweetener, 0.5% to 5.0% by weight of a known flavourant, 0.005% to 0.025% by weight of at least one colour indicator selected from phenolphthalein, D & C Yellow # 10

(an aluminium lake of an insoluble pigment) nad FD & C Blue # 1 (a mixture of disodium mono and disulfonic acid), 0.5% to 2.0% by weight of a surfactant such as herein described, 0.20% to 0.60% by weight of sodium hydroxide having a pH of from 10.5 to 11.5, 0.70% to by 4.3% by weight of sodium phosphate (dibasic)- sodium hydroxide combination.

(Com. - 11 Pages)

No drawings

Int. Cl.<sup>4</sup> : H 02 j 13/00; H 01 r 13/52.

166392\*

A BATSH INSERTING TEST PLUG FOR A DRAWER  
TYPE RELAY.

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA,  
A JAPANESE COMPANY, OF NO. 2-3, MARUNOUCHI  
2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) TOSHITAKA JO, (2) KUNIYOSHI HARA, (3) KOICHI MIZUTA, (4) HIROSHI YAMAMOTO.

Application No. 787/Mas/85 filed October 8, 1985.

Divisional to Patent No. 161010 (882/Cal/82), Ante-dated to July 29, 1982.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

### 8 Claims

A batch inserting type test plug for a drawer type relay comprising a plurality of electrode plates each having conduction plates embedded in plastic resin; connecting members for overlaying and connecting said plurality of said electrode plates in a line; an upper resilient baseboard made of plastic resin and having a hollow interior space for holding said connected electrode plates; a lower resilient baseboard for fixing said connected electrode plates with said upper baseboard; a group of first and second terminals arranged on said upper and lower baseboards, respectively, and being electrically connected to a relay side and a switchboard side, respectively, said first and second terminals being arranged in a zigzag pattern corresponding to the arrangement order of said electrode plates; a plurality of knobs screwed into said first and second terminals; and connecting pieces connected to said first and second terminals in a freely bent state.

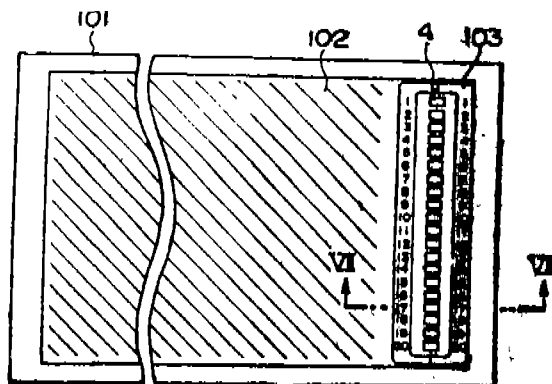


Fig. 7

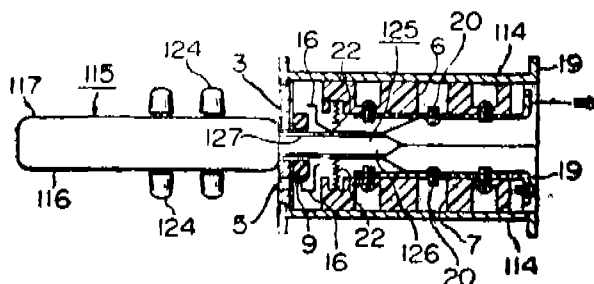
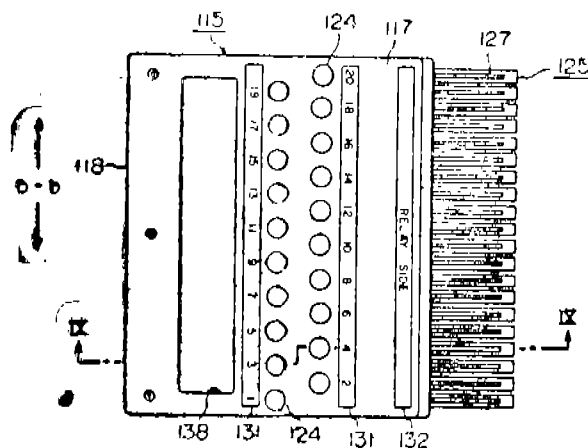


Fig. 8



(Com.-41 pages; Drawgs.-4 sheets)

Int. Cl.4 :B29C 59, 06.

166393

PROCESS AND APPARATUS FOR MANUFACTURING EMBOSSED ARTICLES OF SYNTHETIC RESIN.

Applicant : HONDA GIKEN KOGYO KABUSHIKI KAISHA, A CORPORATION OF JAPAN, OF 1-go, 1-BAN, MINAMI AOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN.

Inventors : (1) TOSHIYUKI KINUGASA, (2) TAMIO FURUYA, (3) YOSHIKI ISHIGE, (4) SHOJI TAKAHASHI (5) NOBUO KI HUCHI.

Application No. 813/Mas/85 filed October 15, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

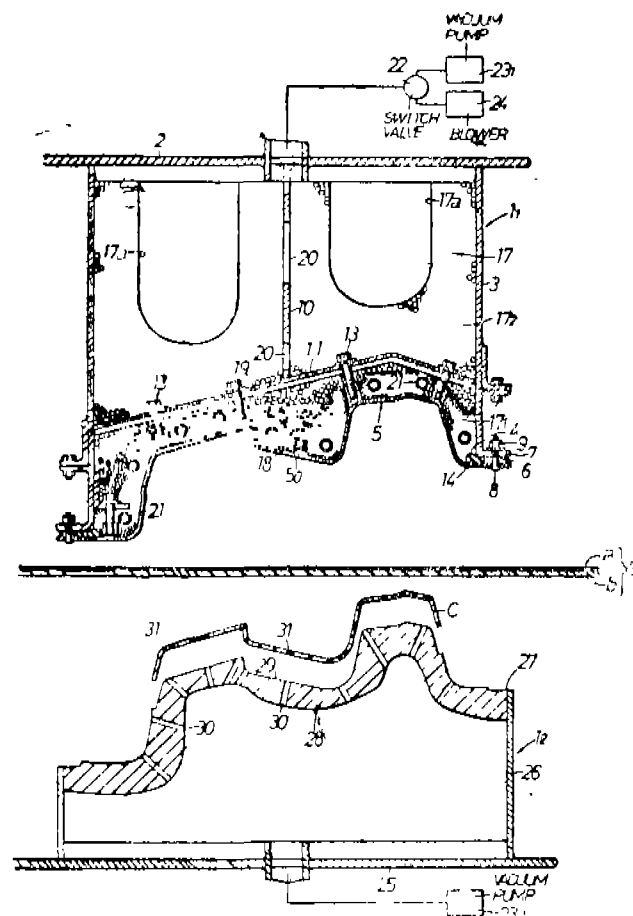
### 13 Claims.

A process for manufacturing an embossed article of synthetic resin from a synthetic resin sheet, comprising the steps of :

heating the synthetic resin sheet at a high temperature into a softened condition;

interposing the heated synthetic resin sheet between a press die and an embossing die which is formed by electrochemical molding to have an embossing surface with an embossing pattern thereon and a multitude of fine vacuum pores distributed uniformly over the entire embossing surface; and

urging said synthetic resin sheet against said embossing surface of the embossing die by said press die and also by applying a vacuum through said fine vacuum pores to imprint said embossing pattern onto the surface of said synthetic resin sheet, thereby providing an embossed article of synthetic resin.



(Com.-31 pages; Drawgs.-9 sheets)

Int. Cl.<sup>4</sup>-B29C 33/06

166394

A VACUUM MOLD FOR VACUUM-FORMING A HEATED PLASTIC SHEET WITH AN IMPRINTED GRAIN PATTERN OF THE SURFACE OF THE SHEET.

Applicant : HONDA GIKEN KOGYO KABUSHIKI KAISHA, A CORPORATION OF JAPAN, OF 1-GO, 1-BAN, MINAMI AOYAMA 2CHOME, MINATO-KU, TOKYO, JAPAN.

Inventors : (1) TOSHIYUKI KINUGASA, (2) TAMIO FURUYA, (3) YOSHIKI ISHIGE, (4) YUIGHI TSUCHIMOTO, (5) SHOJI TAKAHASHI.

Application No. 815/Mas/85 filed October 15, 1985.

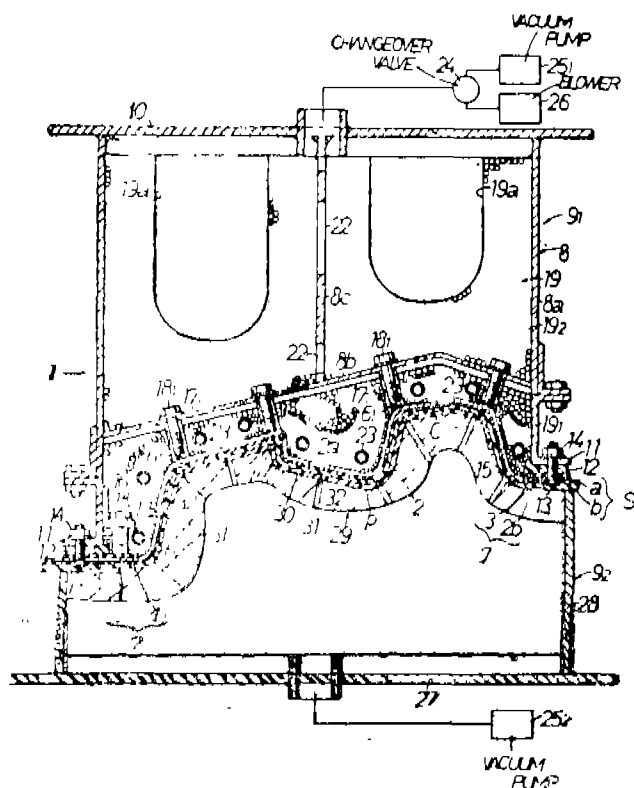
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 11 Claims

A vacuum mold for vacuum-forming a heated plastic sheet with an imprinted grain pattern on the surface of the sheet, said mold comprising

an electrocast shell having a microporous body having a front casting surface with a grain pattern thereon, said microporous body having a multitude of fine vacuum holes uniformly distributed at said front casting surface, and

a back-up body on the rear surface of the microporous body, said back-up body having vent holes therein in communication with said fine vacuum holes in said microporous body.



(Com.-25 pages; Drwgs.-9 sheets)

Int. Cl.<sup>4</sup>-H 02 P 1/16.

166395

## AUTO RESTART STARTERS

Applicant &

Inventor : GOVINDARAJALU RAJENDRAN, SON OF P. GOVINDARAJALU RESIDING AT 28, BANADURAI

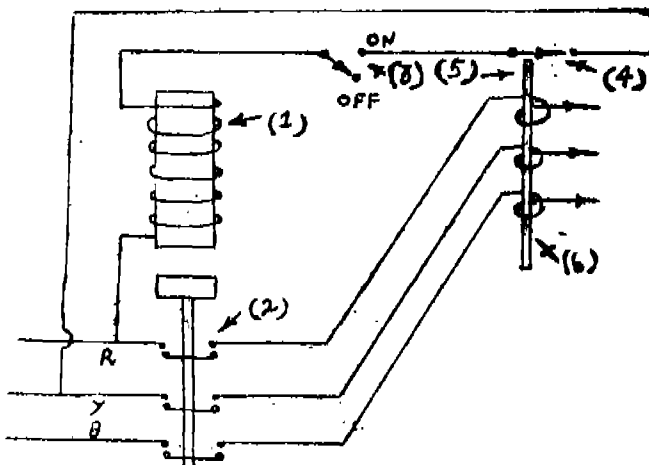
NORTH STREET, KUMBAKONAM, TAMIL NADU, INDIA.

Application No. 834/Mas/85 filed October 24, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 2 Claims

A motor Starter comprising Contractor/Contractors, with Relay Coils, connected to overload Micro Switch, ON-OFF Switch, and a Lever in which the Relay coil is given power supply through Bi-metallic lever actuated Thermal Over Load Micro Switch, ON-OFF Switch, which will Automatically restart when there is a power failure and restoration.



(com.-4 pages; Draw.-1 sheet)

Int. Cl.<sup>4</sup>-H 01 H 85/54.

166396

## FUSE EJECT AND "SHOCK PROOF MAIN SWITCH"

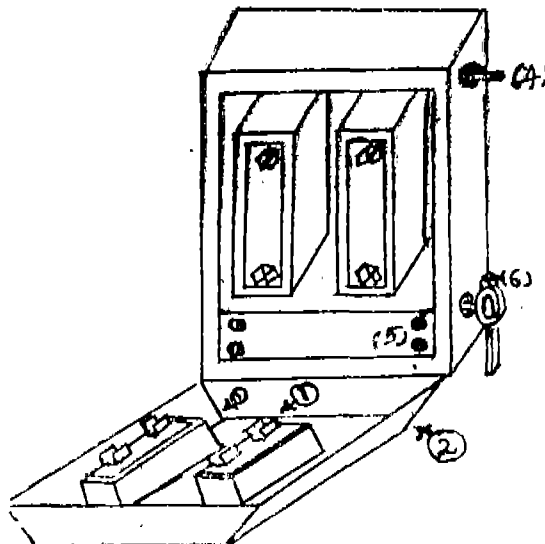
Applicant & Inventor : GOVINDARAJALU RAJENDRAN, SON OF P. GOVINDARAJALU, RESIDING AT 28, BANADURAI NORTH STREET, KUMBAKONAM, TAMIL NADU, INDIA.

Application No. 835/Mas/85 filed October 24, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 1 Claim

A main Switch Comprising outer Box, Fuse Units, covers and a cover in which the fuse automatically comes out with the cover by spring action and the live projecting contacts are covered with insulating cover, and thereby the Main Switch becomes automatic and Shock Proof.



(Com.-3 pages; Drwgs. -1 sheet)

Int. Cl.<sup>4</sup> : G 06 F 13/00.

166397

## DATA PROCESSING APPARATUS.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors : (1) WILLIAM CAIN BRANTLEY JR., (2) KEVIN PATRICK MCAULIFFE, (3) VERN ALAN NORTON, (4) GREGORY FRANCIS PFISTER, (5) JOSEPH WEISS.

Application No. 838/Mas/85 filed October 24, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 4 Claims

Data processing apparatus comprising :

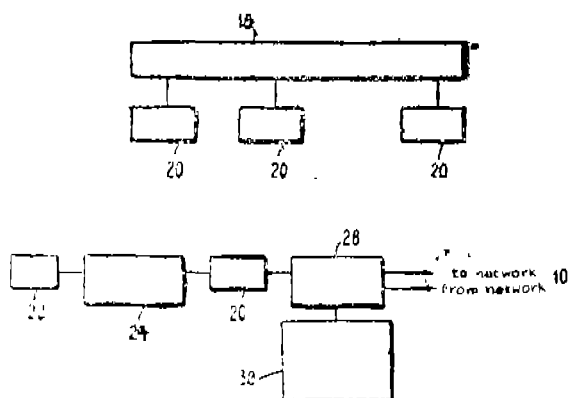
a communications network having plural individually addressable ports with a processor and a storage unit connected to at least some, and potentially all, of the ports providing addressable processing nodes;

the network being arranged to support node address containing message passing from any originating processing node and the addressed node, each processor incorporating a table driven, virtual to real address translation facility and an interface mechanism, in part controlled thereby, providing bi-directional communication between the processor, its connected port and the local storage unit;

the translation facility responding to a virtual address from the processor to derive a processing node address which, if it is the local processing node address, causes the interface to connect the processor and the local storage unit and, if it is not the local processing node address, to connect the processor and the network via the local port and a message containing the generated other node address, and hence, indirectly, to the addressed processing node, the interface mechanism at the addressed processing node connecting the port to the storage unit local to that port;

the translation control tables being writable at run time to match the requirements of applications;

whereby the real address space of any particular processor is variably divided between its local storage unit and global storage in the form of the aggregate of the storage units in other processing nodes, and the local storage unit is equally variably divided between local storage and global storage, directly by the translation defined by the local translation control tables.



Compl. specn. 20 pages.

Drgs. 4 sheets

Int. Cl.<sup>4</sup> : C 01 B 25/222.

166398

## A METHOD OF PREPARING PHOSPHORIC ACID FROM A MIXTURE CONTAINING CALCIUM SULPHATE AND CALCIUM PHOSPHATE.

Applicant : PRAYON DEVELOPMENT, SOCIETE ANONYME, A COMPANY ORGANIZED UNDER THE LAWS OF BELGIUM, OF RUE JOSEPH WAUTERS, 144 4130 ENGIS, BELGIUM.

Inventors : (1) ARMAND LAURENT DAVISTER, (2) FRANCIS ARTHUR THIRION.

App'l'cation No. 866/Mas/85 filed October 29, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 10 Claims

A method of preparing phosphoric acid from a mixture containing calcium sulphate and calcium phosphate flowing through a sequence of reaction zones, the improvements comprising :

the steps of circulating sulphuric acid and phosphoric acid, therethrough removing part of the phosphoric acids produced by adjusting the flow rates of the circulating mixture relative to the base flow rate being discharged from the reaction zone;

such that the general circulation through the reaction zone is within a rate between 300 to 4000% of the base flow rate, circulation in a vacuum cooling zone is between 2000 to 4000% of the base flow rate;

local circulation in the reaction zone is between 500 to 2000% the said base flow;

wherein the sum of the general circulation and the local circulation being higher than or equal to 2500% of the base flow rate, in every zone where the reactants are being added as well as in the zone that directly follows each of the said zones in the general, circulation unit wherein the first part of the reaction zone is maintained at a temperature between 75 and 85° C;

the sulphuric acid concentration is being maintained between 0.25 and 0.85%, so as to completely react with the tricalcic phosphate which is fed in the first reaction zone, the second reaction zone communicating with the first reaction zone is maintained at a temperature between 65 and 75°C, the sulphuric acid concentration in the second zone is being maintained between 1 and 2.5%, so as to solubilize  $P_2O_5$  and  $Ca^{++}$  ions in the form of  $HPO_4^-$  and/or  $H_2PO_4^-$ , to obtain phosphoric acid concentration of between 33 to 52%, sulphuric acid concentration of between 0.25 and 2.5% and separating the calcium sulphate by any known manner.

Compl. specn. 43 pages.

Drgs. 5 sheets

Int. Cl.<sup>4</sup> : G 05 D 233/00.

166399

## AN ELECTRICAL HEATING SYSTEM WHICH CAN BE MONITORED.

Applicant : RAYCHEM CORPORATION, A COMPANY ORGANISED ACCORDING TO THE LAWS OF THE STATE OF CALIFORNIA, OF 300 CONSTITUTION DRIVE, MENLO PARK, CALIFORNIA 94025, U.S.A.

Inventor : FRANK, LOUIS MICHAEL.

Application No. 875/Mas/85 filed November 1, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 5 Claims

An electrical heating system which can be monitored and which comprises :

- (1) a power supply;
- (2) a plurality of heating circuits, each of which circuits comprises :
  - (a) at least one elongate heater which is connected to the power supply to cause a power signal to pass through the heater;
  - (b) at least one transmitter capable of transmitting a signal through the heater; and,
  - (c) a receiver unit which received or each of said signal from the same circuit, but not any of the other information signals, which receiver unit comprises a receiver and a band pass filter, the band pass filter having a current transformer network and a capacitive network.

Compl. specn. 18 pages.

Drgs. 2 sheets

Int. Cl.<sup>1</sup> : H 02 K 7/10.

166400

## AN IRREVERSIBLE CLUTCH.

Applicant : UNION SWITCH & SIGNAL INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., HAVING A PLACE OF BUSINESS AT 5800 CORPORATE DRIVE, PITTSBURGH, PENNSYLVANIA 15237, U. S. A.

Inventor : SILVIO MAGLIANO.

Application No. 978/Mas/85 filed December 4, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 7 Claims

An irreversible clutch comprising :

- a hollow cylindrical housing having an axial bore for receiving a rotatable input shaft rotatably supported in said hollow cylindrical housing by a first ball bearing;
- said first ball bearing has an inner face which is carried by an intermediate enlarged portion of said input shaft and which is seated against a shoulder portion formed on said intermediate enlarged portion of said input shaft;
- said first ball bearing has an outer face which is seated against a shoulder portion in an annular undercut located in one end of said axial bore of said hollow cylindrical housing;
- a first split ring inserted into an internal annular groove formed in said axial bore for holding said first ball bearing in place;
- a rotatable output shaft having a stem portion which is journaled in a journal bearing which is located in said input shaft;
- said output shaft is rotatably supported in said hollow cylindrical housing by a second ball bearing;
- said second ball bearing has an inner face which is carried by an intermediate enlarged portion of said output shaft and which is seated against a collar portion formed on said intermediate enlarged portion of said output shaft;

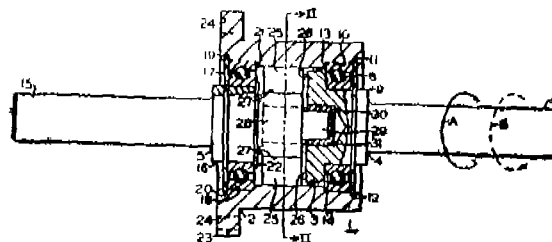
said second ball bearing has an outer face which is seated against a shoulder portion formed in an annular undercut located in the other end of said axial bore of said hollow cylindrical housing;

a second split ring inserted into an internal annular groove formed in said axial bore for holding said second ball bearing in place;

a nonreversible transmission mechanism interconnecting said input shaft to said output shaft;

said nonreversible transmission mechanism having a plurality of arcuate segments carried by and intergal with said input shaft and a block member having a plurality of contact surfaces carried by and intergal with said output shaft; and

a plurality of roller bearings caged between said plurality of arcuate segments and cooperatively associated with said plurality of contact surfaces and said axial bore to allow rotary movement to be transferred from said input shaft to said output shaft by causing said plurality of arcuate segments to spin said plurality of roller bearings to work on said plurality of contact surfaces and to prevent rotary movement from being transferred from said output shaft to said input by causing said plurality of contact surfaces to lock said plurality of roller bearings against said axial bore.



Compl. specn. 15 pages.

Drq. 1 sheet

Int. Cl. : B 01 d 35/02.

166401

## FILTRATION DEVICE FOR OILS USED AS THE OPERATING FLUID IN VACUUM PUMPS.

Applicant : AUSIMONT S.P.A., OF 31, FORO BUONAPARTE, MILAN, ITALY.

Inventors : ENZO CALLONI.

Application No. 675/Cal/1986 filed September 10, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

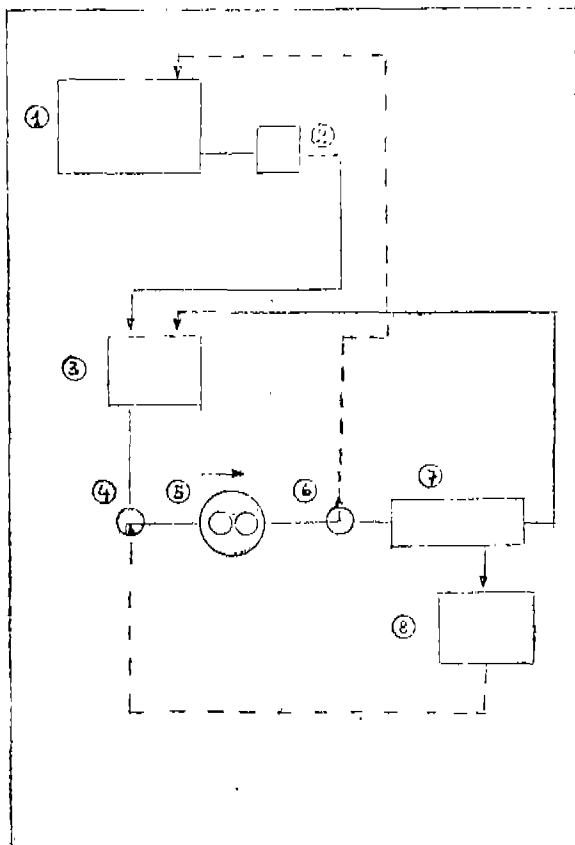
## 1 Claim

Filtration device for oils used as the operating fluid in vacuum pumps, suitable to be directly connected to the vacuum pump, for either continuous or discontinuous operation, comprising as its essential components :

— filter of the tangential-flow type;

circulation pump for the continuous recycling of the oil to be filtered to the purpose of maintaining an adequate tangential speed of oil on filter, characterized in that said filter is provided with filtering

element with pores of diameter is provided with filter-element with pores of diameter in the range of 0.2 to 0.4 micron and said filtering element is constituted by porous polypropylene.



Compl. specn. 8 pages.

Drg. 1 sheet

Int. Cl. : H 02 k 25/00.

166402

#### ELECTRIC DRIVE SYSTEM WITH INTERMITTENT MOTOR.

Applicant & Inventors : (1) DEBAKIRANJAN DUTTA OF 87, P. C. SARCAR SARANI (AKELIA ROAD), CALCUTTA-700019, WEST BENGAL, INDIA AND (2) BHUPESH CHANDRA DUTTA OF 144-1, LAKE GARDENS, CALCUTTA-700 045, WEST BENGAL, INDIA.

Application No. 695/Cal/1986 filed September 22, 1986.

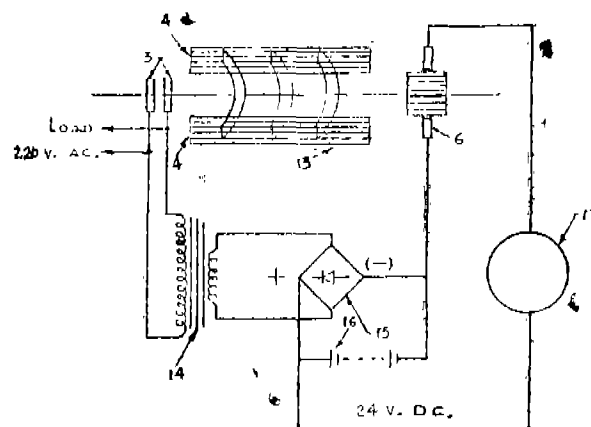
Complete Specification left on 10th August, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

An electric drive system with an intermittent motor comprising a D.C. supply, a medium or high voltage monoblock converter generator set, a rectifier, a transformer, a filter circuit, characterised in that there is provided a flasher unit or a rotary switch in the D.C. supply circuit to the said monoblock converter generator set for supply of intermittent D.C.

current to the said monoblock converter generator set having a fan cum flywheel.



Compl. specn. 7 pages

Provl. specn. 3 pages.

Drg. 2 sheets

Drg. Nil

CLASS : 12-C; 108-C<sub>8</sub>.

166403

Int. Cl. : C 23 C 23/00.

#### PROCESS FOR MANUFACTURING COATED STAINLESS STEEL PRODUCTS SUCH AS WIRES, RODS AND BARS SUITABLE FOR COLD HEADING APPLICATIONS.

Applicant : MUKUND IRON & STEEL WORKS LIMITED, LAL BHADUR SHASTRI MARG, KURLA, BOMBAY-400 070, MAHARASHTRA, INDIA.

Inventors : (1) RAJESH V. SHAH, (2) DR. R.H.G. RAU, (3) DR. N. D. TAMBAT.

Application No. 697/Cal/86 filed September 22, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 6 Claims

A process for manufacturing coated stainless steel products such as wires, rods and bars suitable for cold heading applications, comprising the steps of :

- subjecting a steel workpiece to a bath having a temperature in the range of 60°–90°C, said bath comprising a mixture of carboxylic acid and a metal carboxylate for a time sufficient such as herein described to establish a carboxylate coating on the workpiece;
- curing the carboxylate coating thus formed preferably with hot water; and
- drying the cured product.

Compl. specn. 11 pages.

Drgs. 3 sheets

CLASS : 36-C.

166404

Int. Cl. : B 44 b 9/00; B 44 c 1/00;

B 44 d 5/00; B 44 f 1/00.

#### DEVELOPMENT OF COLOURED STAINLESS STEELS FOR ARCHITECTURAL AND DECORATIVE APPLICATIONS.

Applicants & Inventors : RAJESH VIREN SHAH, P-593 PURNADAS ROAD, CALCUTTA 700 029, WEST BENGAL; DR. RACHAPUDI HARA GOPALA RAU, 59, DHARAT NIRTHA SOCIETE, SION TROMBY ROAD,

CHEMBUR, BOMBAY-400071, MAHARASHTRA; DR. NISHIKANT DATTOBA TAMBAT; 162-B, HINDU COLONY, DADAR, BOMBAY-400014, MAHARASHTRA, INDIA.

Application No. 698/Cal/1986 filed September 22, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims

A process for preparing articles of stainless steel having coloured surfaces, comprising subjecting a stainless steel article into an oxidising bath being a uniform hot solution of potassium dichromate or chromic acid, sulphuric acid and a catalyst selected from phosphorous, sulphur and titanium;

regulating the time and temperature of the bath so as to obtain a coating of desired colour and thickness;

subjecting the coloured article to electrochemical fixing in an electrochemical bath comprising a mixture of acids such as chromic acid and phosphoric acid and/or sulphuric acid and an accelerator selected from sulphate, phosphate, borate, hydrazine sulphate nitrate and the like and washing and drying the coloured article.

Compl. specn. 13 pages.

Drgs 1 sheet

CLASS : 155-E.

166405

Int. Cl. : B 65 h 51/00.

DEVICE FOR FEEDING AN OPENER OR CLEANER FOR TEXTILE FIBRE FLOCKS.

Applicant : TRUTZCHLER GMBH & CO. KG., OF DUVENSTR. 82-92, D-4050, MONCHENGLADBACH 3, WEST GERMANY.

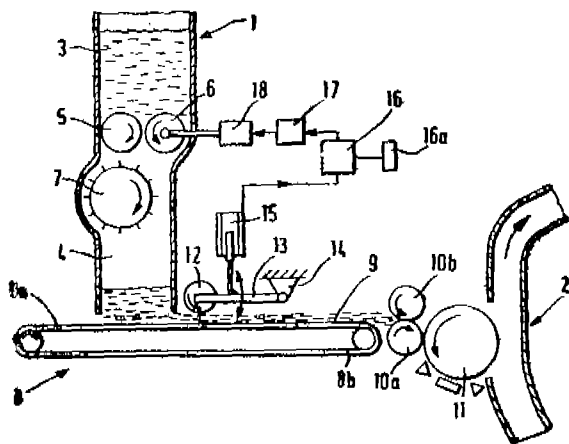
Inventor : FERDINAND LEIFELD.

Application No. 699/Cal/1986 filed September 22, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims

A device for feeding an opener or cleaner for textile fibre flocks, in which a flock-feeding device is provided with draw-off rollers downstream of which there is arranged a feed device for feeding the fibre flock fleece into the opener or cleaner wherein the draw-off roller cooperate with an opener roller, downstream of which is located a device for forming and conveying a thin fibre flockfleece, and a power amplifier of the drive motor for the draw-off rollers of the flock-feeding device is connected by way of a controller to a device for measuring the thickness or the weight of the fibre flock fleece.



Compl. specn. 13 pages.

Drgs. 3 sheets

CLASS : 129-B.

166406

Int. Cl. : B 21 c 1/00.

DEVICE FOR PULING OR DRAWING METALLIC STRIPS.

Applicant : MR NORBERT UMLAUF, OF 64 HAFERKAMP, D-5800 HAGEN, WEST GERMANY.

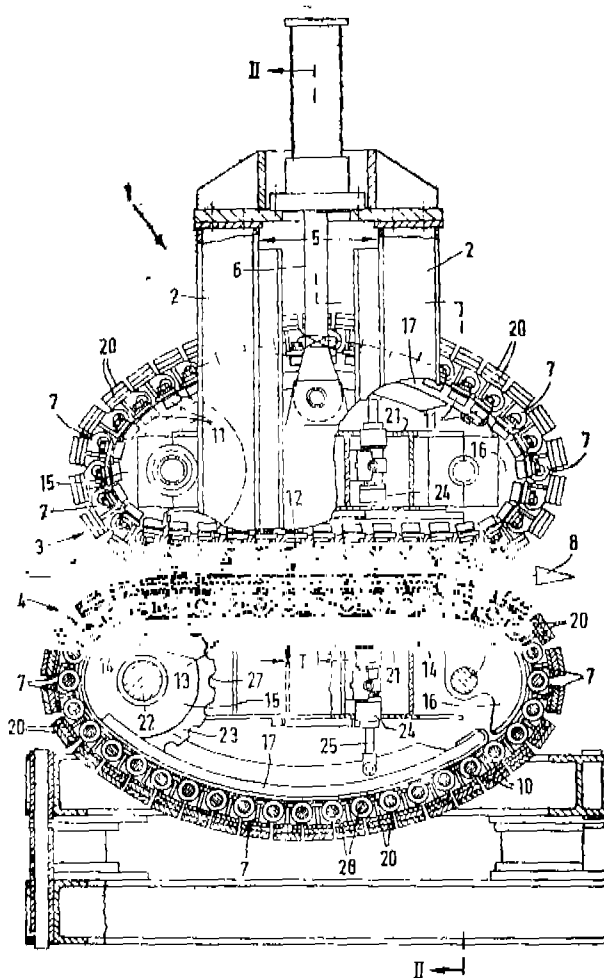
Inventors : MR. NORBERT UMLAUF.

Application No. 704/Cal/1986 filed September 23, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 17 Claims

Device for pulling or drawing of metal strips or sheets to be wound up together in another separate device with separate braking action for each strip applied between two endless chain conveyor system (3, 4) arranged opposite to each other and driven by sprocket wheel (23) which chain system clamp the strip of sheet (9) by means of carriage like roller units (7), characterised by that the improved guiding means to ensure large tensional and coercive forces between the said chain system, comprising straight guide bars (13) with slopes (14) at the inlet and outlet ends in the straight carrying zone (12), arc shaped guide bars (17) lying opposite to straight carrying zone (12), and clamping segment (15) and guide element (16) at two sides, all for running, supporting and guiding of the supporting wheels (10) and lateral guide rollers (11) of the chain system (3, 4) the device being further provided with piston cylinder arrangement (24, 25) for providing tension in the guide bars.



Compl. specn. 16 pages.

Drgs. 3 sheets

Int. Cl. B 01 I 11/02.

166407

**METHOD OF AND APPARATUS FOR FORMING AN INSULATING SHEATH PARTICULARLY OF MINERAL FIBRES, COVERED WITH A FILM.**

Applicant : ISOVER SAINT-GOBAIN, "LES MIROIRS", OF 18, AVENUE D'ALSACE, 92400 COURBEVOIE, FRANCE.

Inventors : PETER BERSCEID AND JAKOB FRIESDORF.

Application No. 727/Cal/1986 filed October 06, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**10 Claims**

Method of forming an insulating sheath having been covered with an adhesive film, said sheath being particularly one made from mineral fibres and the film comprising :

a layer of adhesive activated by heat;

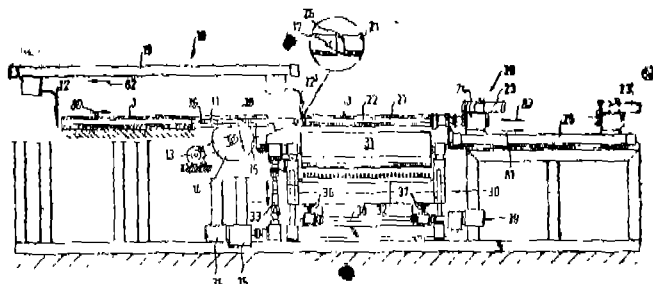
according to which the insulating sheath cooperates with a heating roller of parallel axis which is driven with a rotary movement, while the film is fed perpendicularly between the insulating sheath and the heating roller;

the method being characterised in that in order to ensure an accurate initial entrainment of the film 51 by the insulating sheath 3;

the film 51 is brought into a preliminary position, the free end section 54 of film 51 being then slightly bent downwardly by means of a bar 56 which is likewise of parallel axis, whereupon the film is pulled into a wanting position, its bent over end section 54 having its outer edge placed on the heating roller 31;

the height of which is regulable, being initially positioned at a short distance 57 from the outer surface of the insulating sheath 3 so that in this position there is an initial activation of the adhesive in the film 51 after which the heating roller 31 is moved in the direction of the insulating sheath 3 and after the outer edge of the film 51 has been applied against the insulating sheath 3 it is maintained in this aised position for a short period of time;

the actual covering operation being initiated by the fact that the heating roller 31 and the insulating sheath 3 are driven separately and in oppositions and at the same peripheral speed.



Compl. specn. 20 pages.

Drgs. 3 sheets

Int. Cl. : H 01 f 31/00.

166408

**ELECTRICAL DISTRIBUTION APPARATUSES.**

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

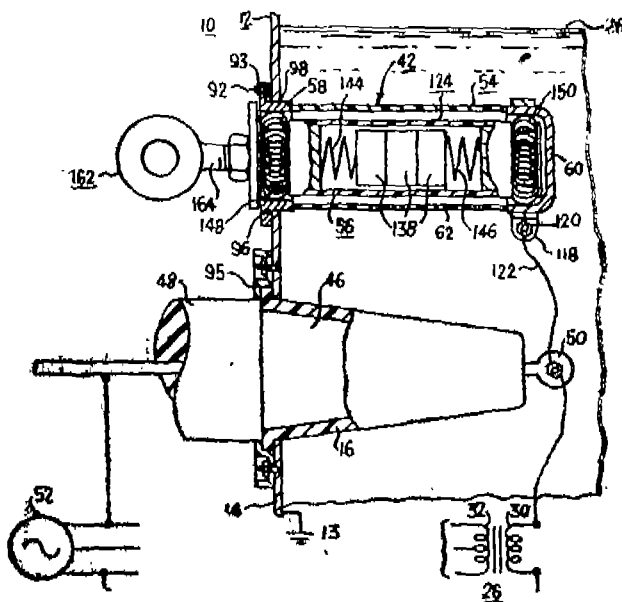
Inventors : (1) WILLIAM JAMES BOOK, (2) JULIAN CLINTON SCOTT, (3) JAMES ARTHUR GRACE.

Application No. 730/Cal/86 filed October 07, 1986

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**9 Claims**

An electrical distribution apparatus comprising an electrically grounded metallic tank having an opening, an electrical apparatus being transformer elements or switching elements disposed in said tank, an arrester assembly including a housing which extends into said tank through said opening, a draw-out surge arrester in said housing having first and second insulatively spaced electrical contacts, said housing including first and second insulatively spaced metallic means, said first contact connected to said grounded metallic tank by means of said first metallic means which mounts said housing to said tank, said second contact connected to any one of the transfer measurement of the switching element.



Compl. specn. 23 pages.

Drgs. 4 sheets

CLASS : 62-A<sub>1</sub>; 17-D & E

166409

Int. Cl. : C 12 p 3/00.

**A PROCESS FOR BIOMODIFICATION OF TAMARIND KERNEL POWER TO ATTAIN THE TWIN OBJECTIVES OF STEAM ECONOMY IN SIZE PASTE PREPARATION AND IMPROVED WEAVING PERFORMANCE IN JUTE INDUSTRY.**

Applicant : INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION, 17 TARATOLA ROAD, CALCUTTA-700 088, WEST BENGAL, INDIA.

Inventors : (1) DR. S. N. SINHA, (2) DR. B. L. GHOSH.

Application No. 739/Cal/86 filed October, 09, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**2 Claims**

A process for biomodification of tamarind kernel powder to improve weaving performance in jute industry with economy in steam consumption during its preparation and appli-

cation on yarn comprising producing fungal culture *aspergillus terreus* on wheat bran to serve as the enzyme as the enzyme source, adding a 10% extract (W/v) of the said culture to paste like slurry of 1.8 to 3.8% (W/v) of commercial grade tamarind kernel powder in water and carrying the biochemical reaction at a temperature of 45 to 50°C for a period of 15 to 30 minutes, terminating the said biochemical reaction by raising the temperature in the range of 65 to 70°C, adding a preservative like sodium silico flouride to the paste thus prepared which is thus made ready for sizing jute warp yarn of coarse cotton yarn.

Compl. specn. 14 pages

Drgs. Nil

GLASS : 153-D; 142-I..

166410

Int. Cl. : C 03 c 17/00; 17/245; 17/30.

# A METHOD FOR PRODUCING A COATED GLASS ARTICLE.

Applicant : LIBBEY-OWENS-FORD COMPANY, OF 811 MADISON AVENUE, TOLEDO, OHIO 43695, UNITED STATES OF AMERICA.

Inventors : (1) GERALD A. CALLIES, (2) EBERHARD R. ALBACH, (3) JOHN F. CONOUR, (4) RICHARD A. HERRINGTON.

Application No. 743/Cul/1986 filed October 14, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A method for producing a coated glass article, by continuous chemical vapour deposition method, said method comprising :

the steps of continuously advancing the hot article, through first and second successive treating stations;

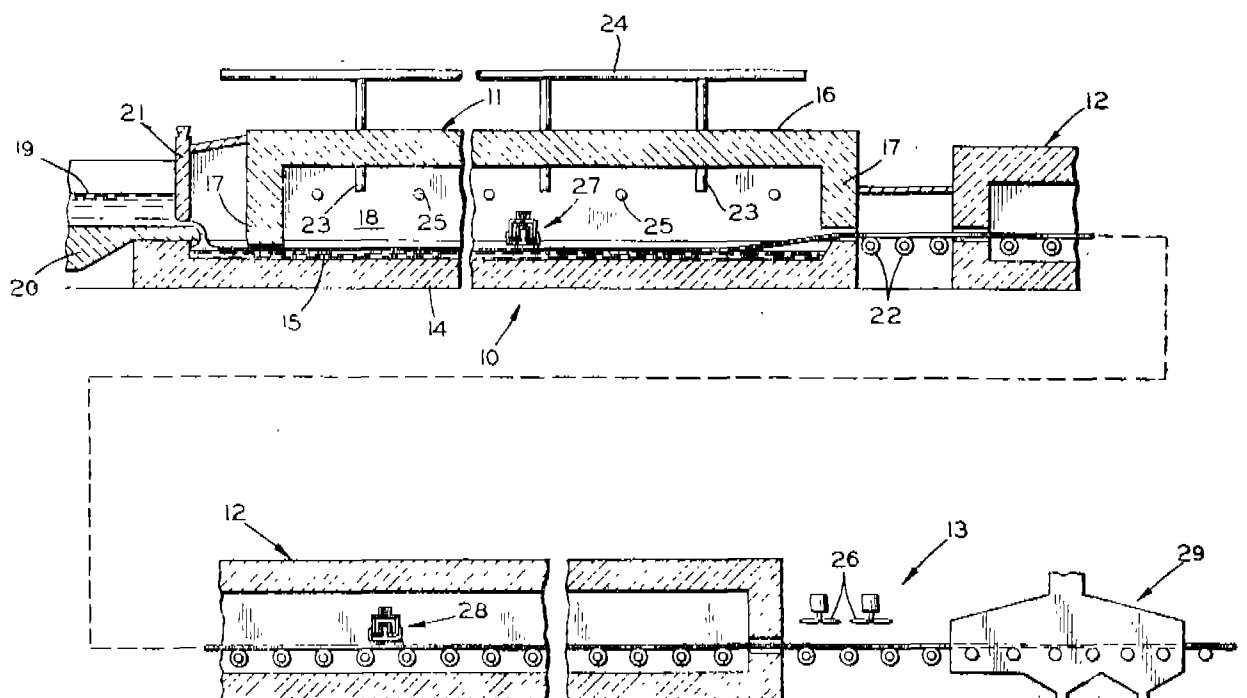
at least the first of which is in a closed zone maintaining a non-oxidising atmosphere in the closed zone;

maintaining a non-oxidising atmosphere in the closed zone in which the first treating station is situated;

maintaining an oxidising atmosphere around the second treating station, directing a non-oxidising gas as herein described which contains a silane from the first treating station against a surface, directing an oxidising gas which includes a metal compound in the vapor phase from the second treating station against the coated surface of the glass article, controlling the temperature of the glass article, controlling the temperature of the glass article as herein described, the residence time in the oxidising atmosphere around the second treating station;

the composition of the non-oxidising gas from the first treating station and the composition of the oxidizing gas from the second station so that the silane-containing gas forms a reflective silicon coating on the glass surface;

the oxidising gas which includes metal forms a coating of an oxide of the metal, and oxidation after the article reaches the second treating station forms a silicon oxide layer on the silicon which is of sufficient thickness as herein described that the subsequently applied metal oxide layer is substantially free of pinholing and optionally washing the coated glass article with dilute hydrofluoric acid to prevent the formation of a film over the coating during the subsequent tempering.



Compl. specn. 20 pages.

Drg. 1 sheet

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class 1. No. 161440. Dhillon Industries, of Jawaddi, Model Town, Ludhiana, Punjab, India, an Indian Partnership firm. "Face Plate for sewing Machine". 18th September, 1989.
- Class 1. No. 161441. Dhillon Industries, of Jawaddi, Model Town, Ludhiana, Punjab, India, an Indian Partnership firm. "Side arm covers for sewing Machine". 18th September, 1989.
- Class 1. Nos. 161461 to 161463. Telefonica de Espana, S.A., a Spanish company of Gran Via, 28, 28013, Madrid, Spain. "An Elongate Section". 25th September, 1989.
- Class 1. Nos. 161465 to 161467. U.P. National Manufacturers Limited, Ramkatora Road, Post Box No. 1068, Varanasi-221001. Uttar Pradesh. India. An Indian Company. "Pump set". 25th September, 1989.
- Class 1. No. 161468. Filtration & Separations, B-29-B, Kailash Colony, New Delhi-110048, India. A sole Proprietary concern. "Air Filter". 25th September, 1989.
- Class 1. No. 161486. Ashok Kumar Chugh S/o Shri Jeewan Dass Chugh, C-2/399 Janakpuri Delhi (India) an Indian National. "Knobs for controlling flow of water". 5th October, 1989.
- Class 1. No. 161514. The University of Melbourne, a body politic and corporate established under the Melbourne University Act of the State of Victoria, of Grattan Street, Parkville, Victoria 3052 Australia. "Micro-Surgical Instrument". 11th October, 1989.
- Class 1. Nos. 161688 to 161690. Surya Morphy Richards Limited, a company incorporated under the Companies Act, having its office at 1118, Maker Chambers V, Nariman Point Bombay-400 021 in the State of Maharashtra within the Union of India. "Iron". 12th December, 1989.
- Class 1. No. 161691. Surya Morphy Richards Limited, a company incorporated under the Companies Act, having its office at 1118, Maker Chambers V, Nariman Point, Bombay-400 021 in the State of Maharashtra within the Union of India. "Toaster". 12th December, 1989.
- Class 1. No. 161700. Larsen & Toubro Limited, L & T House, Ballard Estate, Bombay-400 008, Maharashtra, India, an Indian Company. "Electric Switch". 13th December, 1989.
- Class 1. No. 161721. 21 Seiki Shinsha Company Limited (a Japanese Corporation) at Dai 20 Mori Bldg., 6th floor, 2-7-4 Nishishin-bashi, Minato-ku, Japan. "Precious Stone". 19th December, 1989.
- Class 1. No. 161866. Automatic Instruments Company, C-3/2, Mayapuri, Phas-II, New Delhi-110064, India, an Indian Partnership concern. "an Electric Iron". 6th February, 1990.
- Class 3. No. 161428. Inalsa Limited. An Indian Company, 19-Kasturba Gandhi Marg, New Delhi-110001. India. "Cold Box". 13th September, 1989.
- Class 3. No. 161446. Ambitious Gold Nib Manufacturing Company Private Limited C-101-Phase-II, Mayapuri, New Delhi-110064, India. An Indian Company. "Pen". 18th September, 1989.
- Class 3. No. 161515. The University of Melbourne, a body politic and corporate established under the Melbourne University Act of the State of Victoria, of Grattan Street, Parkville, Victoria 3052 Australia. "Micro-Surgical Instrument". 11th October, 1989.
- Class 3. No. 161642. Interlego A.G. a Swiss company of Sihlbruggstrasse 3, CH-6340 Baar, Switzerland. a Separating Tool for toy building Elements". 29th November, 1989.
- Class 3. No. 161647. Interlego A. G., a Swiss company of Sihlbruggstrasse 3, CH-6340 Baar, Switzerland. "Toy Building Element". 29th November, 1989.
- Class 3. No. 161686. Parle Products Limited, a Company incorporated and existing under the Companies Act, 1956, of Nirlon House, 254-B, Dr. Annie Besant Road, Bombay-400 025, State of Maharashtra, India. "Bottle". 11th December, 1989.
- Class 3. No. 161701. Larsen & Toubro Limited, L & T House, Ballard Estate, Bombay-400 008, Maharashtra, India, an Indian Company. "Electric Switch". 13th December, 1989.
- Class 3. No. 161736. Paragjit Industries Limited, An Indian Company, 5th Floor, Bhondari House, 91-Nehru Place, New Delhi-110011, India. An Indian Company. "Bottle". 21st December, 1989.
- Class 3. No. 161898. N. V Philips' Gloeilampenfabrieken, a limited liability Company organized and existing under the laws of the Kingdom of The Netherlands, residing at Groenewoudseweg 1, Eindhoven. The Netherlands. "a Mobile Radio Apparatus". 20th February, 1990.
- Class 4. No. 161687. Parle Products Limited, a Company incorporated and existing under the Companies Act, 1956, of Nirlon House, 254-B, Dr. Annie Besant Road, Bombay-400 025, State of Maharashtra, India. "Bottle". 11th December, 1989.
- Class 5. No. 161794. Munch Food Products Private Limited (a Company incorporated under the Indian Companies Act), whose address is D-992, New Friends Colony, New Delhi-110065, India. a "Box". 15th January, 1990.

Copyright Extended for the Second Period of five years.

Nos. 155535, 155534.	Class-3.
No. 161299.	Class-4
No. 156143.	Class-12.

Copyright Extended for the Third Period of five years.

No. 148176.	Class-4.
No. 161299.	Class-3

R. A. ACHARYA,  
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